

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/548,998

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 **Wrapped Nucleics** The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 **Wrapped Aminos** The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 **Incorrect Line Length** The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 **Misaligned Amino Acid Numbering** The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 **Non-ASCII** This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 **Variable Length** Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 **PatentIn ver. 2.0 "bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.
- 8 **Skipped Sequences (OLD RULES)** Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 **Skipped Sequences (NEW RULES)** Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 **Use of n's or Xaa's (NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 **Use of <213>Organism (NEW RULES)** Sequence(s) are missing this mandatory field or its response.
- 12 **Use of <220>Feature (NEW RULES)** Sequence(s) are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 **PatentIn ver. 2.0 "bug"** **Please do not use "Copy to Disk" function of PatentIn version 2.0.** This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIEP

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000
 TIME: 16:47:28

Input Set : A:\BC1002 US NA Seq Listing.txt
 Output Set: N:\CRF3\050300\I548998.raw

3 <110> APPLICANT: EBERSOLE, RICHARD C.
 4 HENDRICKSON, EDWIN
 6 <120> TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS FOR THE IDENTIFICATION OF
 7 DECHLORINATING BACTERIA
 9 <130> FILE REFERENCE: BC1002 US NA
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/548,998
 C--> 12 <141> CURRENT FILING DATE: 2000-04-14
 14 <150> PRIOR APPLICATION NUMBER: 60/129,511
 15 <151> PRIOR FILING DATE: 1999-04-15
 17 <160> NUMBER OF SEQ ID NOS: 60
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 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 24
 23 <212> TYPE: DNA
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 30 <211> LENGTH: 1377
 31 <212> TYPE: DNA
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 36 gtggcaaacg ggtgagtaac gcgtaagtaa cctacctcta agtgggggat agcttcgga 120
 37 aactgaaagt aataccgcat gtgatgggct gacataagtc ggttcattaa agccgcaagg 180
 38 tgcttggtga ggggcttgcg tccgattagc tagttggtgg ggtaatggcc taccaaggct 240
 39 tcgatcggtg gctggtctga gaggatgac agccacactg ggactgagac acggcccaga 300
 40 ctctacggg aggcagcagc aaggaatctt gggcaatggg cgaaagcctg acccagcaac 360
 41 gccgcgtgag ggatgaaggc ttccgggttg taaacctctt ttcacaggga agaataatga 420
 42 cgggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgtagga 480
 43 agcaagcgtt atccggattt attgggcgta aagtgaagcgt aggtggtctt tcaagttgga 540
 44 tgtgaaattt cccggcttaa ccgggacgtg tcattcaata ctgtggact agagtacagc 600
 45 aggagaaaac ggaattcccg gtgtagtgtt aaaatgcgta gatatcgga ggaacaccag 660
 46 aggcgaaggc ggttttctag gttgtcactg aactgagggc tcgaaagcgt ggggagcgaa 720
 47 cagaattaga tactctggtg gtccacgcct taaactatgg acactaggta tagggagtat 780
 48 cgacctcttc tgtgcggaag ctaacgctyt aagtgtcccg cctggggagt acggtcgcaa 840
 49 ggctaaaact caaaggaatt gacgggggccc cttacaagca gcggagcgtg tggtttaatt 900
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 55 tgagagctaat ccccaagct gtccctcagtt cggattgcag gctgaaaccc gcctgcatga 1260
 56 agttggagtt gctagtaacc gcataacagc aaggtgcggt gaatacgttc tcgggccttg 1320
 57 tacacaccgc ccgtcacgtc atgaaagccg gtaacacttg aagtcgatgt gcccaacc 1377
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 1378

Does Not Comply
 Corrected Diskette Needed
 PR. 4-5

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000
 TIME: 16:47:28

Input Set : A:\BC1002 US NA Seq Listing.txt
 Output Set: N:\CRF3\050300\I548998.raw

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67 aactgaaggt aataccgcat gtggtgggcc gacataagtt ggttcaactaa agccgtaagg 180
68 tgccttggtga ggggcttgcg tccgattagc tagttggtgg ggtaacggcc taccaaggct 240
69 tcgatcggta gcttggtctg agaggatgat cagccacact gggactgaga cacggcccag 300
70 actcctacgg gaggcagcag caaggaatct tgggcaatgg gcgaaagcct gaccagcaa 360
71 cgccgcgtga gggatgaagg ctctcggggtt gtaaacctct tttcacaggg aagaataatg 420
72 acggtaacctg tggataaagc tacgtgccag cagccgcggt aatacgtagg 480
73 aagcaagcgt tatccggatt tattggcggt aaagtgcggt taggtggtct ttcaagttgg 540
74 atgtgaaatt tcccggctta accgggacgt gtcattcaat actggtggac tagagtacag 600
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76 gaggcgaagg cggttttcta ggtgtcact gacactgagg ctgcgaaagc tggggagcga 720
77 acagaattag atactctggt agtccacgcc ttaactatg gacactaagt ataggagta 780
78 tcgacctctc ctgtgcgaa gctaacgctt taagtgtccc gcctggggag tacggtcgca 840
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81 gaaacgacct gtttaagtca gagtttgcac aggtgctgca tggctgtcgt cagctcgtgc 1020
82 cgtgaggtgt ttggttaagt cctgcaacga gcgcaacctt tgttgtagt taaatcttct 1080
83 agcgagactg ccccgcgaaa cggggaggaa ggtggggatg acgtcaagtc agcatggcct 1140
84 ttatatcttg ggctacacac acgctacaat ggacagaaca ataggttgca acagtgtgaa 1200
85 ctggagctaa tctctaaagc tgtctcagt tcggattgca ggcgaaacc cgctgcagt 1260
86 aagttggagt tgctagtaac cgcataatcag caaggtgcgg tgaatacgtt ctggggcctt 1320
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97 aactgaaggt aataccgcat gtggtgggcc gacataatgt ggttcaactaa agccgtaagg 180
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102 cggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggtg atactgtagg 480
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106 aggcgaaggg ggttttctag gttgtcactg acactgaggc tcgaaagcgt ggggagcga 720
107 cagaattaga tactctggtg gtccacgcct taaactatgg acactaggta tagggagtat 780
108 cgacctctc tgtgccgaag ctaacgcttt aagtgtccc cctggggagt acggtcgcaa 840
109 ggctaaaaact caaaggaatt gacgggggcc cgcacaagca gcggagcgtg tggtttaatt 900
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111 gaacgacctg ttaagtcagg aacttgacac ggtgctgcat ggctgctgct agctcgtgcc 1020
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Input Set : A:\BC1002 US NA Seq Listing.txt

Output Set: N:\CRF3\050300\I548998.raw

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115 tggagctaat ccccaaagct gtccctcagtt cggattgcag gctgaaaccc gcctgcata 1260
116 agttggagtt gctagtaacc gcatatcagc atggtgcggt gaatacgttc tcgggccttg 1320
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127 aactgaaggt aataccgcat gtggtgggcc gacataagtt ggttactaa agccgtaagg 180
128 cgcttggtga ggggcttgcc tccgattagc tagttggtgg ggtaacggcc taccaaggct 240
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131 gccgcgtgag ggaatgaagg ttcggggttg taaacctctt ttcacaggga agaataatga 420
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133 agcaagcgtt atccggattt attgggcgta aagtgagcgt aggtggtctt tcaagttgga 540
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135 agggagaaaac ggaattcccg gtgtagtgtt aaaatgcgta gatatcgga ggaacaccag 660
136 aggcgaaggg ggttttctag gttgtcactg acactgaggg tcgaaagcgt ggggagcgaa 720
137 cagaattaga tactctggtg gtccacgctt taaactatgg acaactaggta tagggagtat 780
138 cgacctcttc tgtgccgaag ctaacgcttt aagtgctccg cctggggagt acggtcgcaa 840
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159 tcgacgggta gctggtctga gaggatgac agccacactg ggaactgagc acggcccaga 300
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162 cggtacctgt ggaataagct tcggctaact acgtgccagc agccgcggta atacgttaga 480
163 agcaagcgtt atccggattt attgggcgta aagtgagcgt aggtggtctt tcaagttgga 540
164 tgtgaaattt cccggcttaa ccgggacgtg tcattcaata ctggtggact agagtacagc 600
165 agggagaaaac ggaattcccg gtgtagtgtt aaaatgcgta gatatcgga ggaacaccag 660

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000

TIME: 16:47:28

Input Set : A:\BC1002 US NA Seq Listing.txt
 Output Set: N:\CRF3\050300\I548998.raw

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168 cgacctctct tgtgccgaag ctaacgcttt aagtgtccc cctggggagt acggtcgcaa 840
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170 cgatgctaca cgaagaacct taccaagatt tgacatgcat gaagtagtga accgaaagg 960
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181 <212> TYPE: DNA
182 <213> ORGANISM: Dehalococcoides ethenogenes
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187 aactgaaggt aataccgcat gtgatggggt gacataagtc ggttcoattaa agccgcaagg 180
188 tgcttggtga ggggcttgcg tccgattagc tagttgggtg ggtaatggtc taccaaggct 240
189 tcgacgggta gctggtctga gaggatgato agccacactg ggactgagac acggggcaga 300
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191 gccgcgtgag ggaatgaagg ttcggggttg taaacctctt ttcacaggga agaataatga 420
192 cggtaacctg ggaataagct tcggctaact acgtgccagc agccgcggtg atacgtaggg 480
193 aagcaagcgt tatccggatt tattggcgct aaagtgcgag actgttggtt tagagtacag 540
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196 gaggcgaagg cggttttcta ggtgtgcat gacactgagg ctgaaaagcg tggggagcga 720
197 acagaattag atactctggt agtccacgcc ttaactatg gacactaggt atagggagta 780
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205 gtgtgaactg gagctaattc ccaaagctgt cctcagttcg gattgcaggc tgaacccgcg 1260
206 ctgcatgaag ttggagttgc tagtaaccgc atatcagcaa ggtgcggtga atacgttctc 1320
W--> 207 gggccttgta cacaccgcc gtcacgtcat gaggccggt aacacttgaa gtcgatgtgc 1380
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212 <211> LENGTH: 47
213 <212> TYPE: DNA
214 <213> ORGANISM: Dehalococcoides ethenogenes
216 <220> FEATURE: <220>
217 <221> NAME/KEY: unsure
218 <222> LOCATION: (5) /

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see item 10 on Ena

summary sheet

insert closing bracket throughout the sequence

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000
TIME: 16:47:28

Input Set : A:\BC1002 US NA Seq Listing.txt
Output Set: N:\CRF3\050300\I548998.raw

219 <223> OTHER INFORMATION: R=A/G n is at location 5
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222 <221> NAME/KEY: unsure
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226 <220> FEATURE: <220>
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229 <223> OTHER INFORMATION: W=A/T n is at location 18
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237 <221> NAME/KEY: unsure
238 <222> LOCATION: (28)
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242 <221> NAME/KEY: unsure
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244 <223> OTHER INFORMATION: Y=T/C n is at location 37
246 <220> FEATURE: <220>
247 <221> NAME/KEY: unsure
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249 <223> OTHER INFORMATION: Y=C/T n is at location 42
251 <400> SEQUENCE: 8
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255 <211> LENGTH: 20
256 <212> TYPE: DNA
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280 <212> TYPE: DNA
281 <213> ORGANISM: Dehalococcoides ethenogenes

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/548,998

DATE: 05/03/2000

TIME: 16:47:29

Input Set : A:\BC1002 US NA Seq Listing.txt
Output Set: N:\CRF3\050300\I548998.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:207 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:207 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:207 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:207 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:207 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8